

available.

In operation, dust-laden air is drawn into the filter. The dust is retained and the clean air passed on through to the fan. This is your fan motor set; this is your hose; this is your filter paper holder. We just set it on an ordinary engineer's tripod so that we can carry it around at the same time keep it up in the air, and the filter paper holder section is here. It was a simple metal affair. It had a screw cap on it and the filter paper was held in position there tightly.

Now, we're not sure about the efficiency of collection of this device, although we know it's very high. Through experience, we have learned, for example, that we can run this thing all day in a coal mine, collection a -- collect a deposition on the filter which would be on this side, heavy enough to completely fill up all the cleats, and yet when we take the filter paper off, the back of the filter - the color of the back of the filter hasn't changed at all, that is if any particles did pass through, there were very few of them, so that the paper must be an efficient collecting device.

The device was employed for collecting the airborne dusts from coal face operations, from workings in rock and during the coal train haulage. Figure two illustrates a typical section through a coal formation of two of the